

**What is claimed is:**

1. A method for obtaining data in a mobile telecommunications network comprising a plurality of mobile units and a plurality of base units, the method comprising the steps of:

- (1) initiating an application using a data channel;
- (2) receiving audible input spoken by a user over a voice channel;
- (3) converting the audible input to application data;
- (4) providing the application data to the application.

2. The method of claim 1, wherein the application data comprises location information.

3. The method of claim 2, wherein the location information comprises latitude and longitude information.

4. The method of claim 2, wherein step (3) comprises the steps of:

- (a) loading a first data file corresponding to a first set of localities;
- (b) comparing a first audible input to the first data file to determine a first selected locality; and
- (c) loading a second data file corresponding to a second set of localities, wherein each of the localities in the second set are geographically located within the selected locality.

5. The method of claim 4, wherein step (3) further comprising the steps of:
- (d) repeating steps (b) – (c) while a physical location is not yet identified within a predetermined degree of precision; and
  - (e) determining the location information based on the selected localities.

6. The method of claim 4, wherein step (3) further comprising the steps of:
- (d) repeating steps (b) – (c) a predetermined number of times;
  - (e) loading a last data file in addition to the presently loaded data file;
  - (f) comparing a last audible input to the loaded data files to determine a last selected locality; and
  - (g) determining the location information based on the selected localities.

7. The method of claim 4, wherein at least one of the sets of localities includes a landmark, and said method further comprising the step of:

- (d) when the selected locality is a landmark, determining location information corresponding to the selected landmark.

8. The method of claim 1, wherein the application data comprises authentication information.

9. The method of claim 8, wherein step (3) comprises the steps of:

- (a) comparing the audible input to preexisting voice information corresponding to a predetermined person; and
- (b) determining authentication information corresponding to whether the user is the predetermined person.

10. A method of refining a location using a voice channel in a telecommunications network, the method comprising the steps of:

- (a) loading a first data file corresponding to a first set of localities;
- (b) comparing a first audible input to the first data file to determine a first selected locality; and
- (c) loading a second data file corresponding to a second set of localities, wherein each of the localities in the second set are geographically located within the selected locality.

11. The method of claim 10, further comprising the steps of:

- (d) repeating steps (b) – (d) while a physical location is not yet identified within a predetermined degree of precision; and
- (e) determining location information based on the selected localities.

12. The method of claim 10, further comprising the steps of:

- (d) repeating steps (b) – (d) a predetermined number of times; and
- (e) determining location information based on the selected localities.

13. The method of claim 10, wherein at least one of the sets of localities includes a landmark, and further comprising the step of:

- (d) when the selected locality is the landmark, determining location information corresponding to the selected landmark.

14. The method of claim 10, further comprising the steps of:

- (d) repeating steps (b) – (c) a predetermined number of times;
- (e) loading a last data file in addition to the presently loaded data file;
- (f) comparing a last audible input to the loaded data files to determine a last selected locality; and
- (g) determining location information based on the selected localities.

15. A system for providing voice channel services in a wireless telecommunications network comprising:

a processor;

a memory for storing computer readable instructions, such that when executed, the system performs the steps of:

- (1) initiating an application using a data channel;
- (2) receiving audible input spoken by a user over a voice channel;
- (3) converting the audible input to application data; and

- (4) providing the application data to the application.

16. The system of claim 15, wherein the application data comprises location information.

17. The system of claim 16, wherein the location information comprises latitude and longitude information.

18. The system of claim 16, wherein step (3) comprises the steps of:

- (a) loading a first data file corresponding to a first set of localities;
- (b) comparing a first audible input to the first data file to determine a first selected locality; and
- (c) loading a second data file corresponding to a second set of localities, wherein each of the localities in the second set are geographically located within the selected locality.

19. The system of claim 18, wherein step (3) further comprises the steps of:

- (d) repeating steps (b) – (c) while a physical location is not yet identified within a predetermined degree of precision; and
- (e) determining the location information based on the selected localities.

20. The system of claim 18, wherein step (3) further comprises the steps of:

- (d) repeating steps (b) – (c) a predetermined number of times; and
- (e) determining the location information based on the selected localities.

21. The system of claim 18, wherein step (3) further comprises the steps of:

- (d) repeating steps (b) – (c) a predetermined number of times;
- (e) loading a last data file in addition to the presently loaded data file;
- (f) comparing a last audible input to the loaded data files to determine a last selected locality; and
- (g) determining location information based on the selected localities.

22. The system of claim 18, wherein at least one of the sets of localities includes a landmark, and further comprising the step:

- (d) when the selected locality is the landmark, determining location information corresponding to the selected landmark.

23. The system of claim 15, wherein the application data comprises authentication information.

24. The system of claim 23, wherein step (3) comprises the steps of:

- (a) comparing the audible input to preexisting voice information corresponding to a predetermined person; and

- (b) generating authentication information corresponding to the comparing performed in step (a); and
- (c) outputting the authentication information.

25. A system for refining a location using a voice channel over a mobile unit, comprising:

a processor;

a memory for storing computer readable instructions, such that when executed, the system performs the steps of:

- (a) loading a first data file corresponding to a first set of localities;
- (b) comparing a first audible input to the first data file to determine a first selected locality; and
- (c) loading a second data file corresponding to a second set of localities, wherein each of the localities in the second set are geographically located within the selected locality.

26. The system of claim 25, wherein the system further performs the steps of:

- (d) repeating steps (b) – (c) while a physical location is not yet identified within a predetermined degree of precision; and
- (e) determining location information based on the selected localities.

27. The system of claim 25, wherein the system further performs the steps of:

- (d) repeating steps (b) – (c) a predetermined number of times; and
- (e) determining location information based on the selected localities.

28. The system of claim 25, wherein the system further performs the steps of:

- (d) repeating steps (b) – (c) a predetermined number of times;
- (e) loading a last data file in addition to the presently loaded data file;
- (f) comparing a last audible input to the loaded data files to determine a last selected locality; and
- (g) determining location information based on the selected localities.

29. The system of claim 25, wherein at least one of the sets of localities includes a landmark, and wherein the system further performs the step of:

- (d) when the selected locality is the landmark, determining location information corresponding to the selected landmark.

30. A method of locating a mobile unit (MU), comprising the steps of:

- (1) determining whether an automated location determination system exists in a telecommunications network;
- (2) when the result from step (1) is positive, receiving location information generated in the telecommunications network; and
- (3) when the result from step (1) is negative, prompting a user to audibly provide location information.



31. The method of claim 30, wherein the automated location determination system is a global positioning system.

32. The method of claim 30, wherein the automated location determination system is a network based system.

33. The method of claim 32, wherein the network based system is one of the group of a time difference of arrival (TDOA) system and an angle of arrival (AOA) system.

34. A mobile unit locating system comprising:  
a database of mobile unit locations;  
an interface to communicate with a mobile unit enabled with a global positioning system;  
an interface to communicate with a network based location determining system; and  
an interface to communicate with a voice-based location determining system;  
wherein the global positioning system, network based location determining system, and the voice-based location determining system provide location information stored in the database.

35. The system of claim 34, wherein the network based location determining system is one of a time difference of arrival (TDOA) system and an angle of arrival (AOA) system.

36. The method of claim 5, wherein step (3) further comprising the steps of:

- (f) authenticating a user based on the audible inputs;
- (g) outputting the location information only when the user was successfully authenticated in step (f).

37. The method of claim 6, wherein step (3) further comprising the steps of:

- (f) authenticating a user based on the audible inputs;
- (g) outputting the location information only when the user was successfully authenticated in step (f).

38. The method of claim 7, wherein step (3) further comprising the steps of:

- (f) authenticating a user based on the audible inputs;
- (g) outputting the location information only when the user was successfully authenticated in step (f).

39. The method of claim 11, further comprising the steps of:

- (f) authenticating a user based on the audible inputs;
- (g) outputting the location information only when the user was successfully authenticated in step (f).

40. The method of claim 12, further comprising the steps of:

- (f) authenticating a user based on the audible inputs;

- (g) outputting the location information only when the user was successfully authenticated in step (f).

41. The method of claim 13, further comprising the steps of:

- (f) authenticating a user based on the audible inputs;
- (g) outputting the location information only when the user was successfully authenticated in step (f).

42. The method of claim 14, further comprising the steps of:

- (f) authenticating a user based on the audible inputs;
- (g) outputting the location information only when the user was successfully authenticated in step (f).

43. The system of claim 19, wherein step (3) further comprises the steps of:

- (f) authenticating a user based on the audible inputs;
- (g) outputting the location information only when the user was successfully authenticated in step (f).

44. The system of claim 20, wherein step (3) further comprises the steps of:

- (f) authenticating a user based on the audible inputs;
- (g) outputting the location information only when the user was successfully authenticated in step (f).

45. The system of claim 21, wherein step (3) further comprises the steps of:
- (f) authenticating a user based on the audible inputs;
  - (g) outputting the location information only when the user was successfully authenticated in step (f).
46. The system of claim 22, wherein step (3) further comprises the steps of:
- (f) authenticating a user based on the audible inputs;
  - (g) outputting the location information only when the user was successfully authenticated in step (f).
47. The system of claim 26, wherein the system further performs the steps of:
- (f) authenticating a user based on the audible inputs;
  - (g) outputting the location information only when the user was successfully authenticated in step (f).
48. The system of claim 27, wherein the system further performs the steps of:
- (f) authenticating a user based on the audible inputs;
  - (g) outputting the location information only when the user was successfully authenticated in step (f).
49. The system of claim 28, wherein the system further performs the steps of:

- (f) authenticating a user based on the audible inputs;
- (g) outputting the location information only when the user was successfully authenticated in step (f).

50. The system of claim 29, wherein the system further performs the steps of:

- (f) authenticating a user based on the audible inputs;
- (g) outputting the location information only when the user was successfully authenticated in step (f).

51. A method of determining a location, comprising the steps of:

- (1) loading a first data file comprising state information;
- (2) receiving a first audible input from a user;
- (3) comparing the first audible input to the first data file to determine a selected state;
- (4) loading a second data file comprising a plurality of cities, wherein each city is geographically located at least partially in the selected state;

52. The method of claim 51, further comprising the steps:

- (5) receiving a second audible input from the user;
- (6) comparing the second audible input to the second data file to determine a selected city;

- (7) loading a third data file comprising a plurality of streets, wherein each street is geographically located at least partially in the selected city;

53. The method of claim 52, further comprising the steps:

- (8) receiving a third audible input from the user;
- (9) comparing the third audible input to the third data file to determine a selected street;
- (10) loading a fourth data file comprising a range of addresses;

54. The method of claim 53, further comprising the steps:

- (11) receiving a fourth audible input from the user;
- (12) comparing the fourth audible input to the third and fourth data files to determine one of a selected cross-street and a selected address;
- (13) determining whether the selection from step (12) is a valid selection;
- (14) generating location coordinates from the selected state, city, street, and cross-street or address.

55. A system for refining a location using a voice channel over a mobile unit, comprising:

a processor;

a memory for storing computer readable instructions, such that when executed, the system performs the steps of:

- (1) loading a first data file comprising state information;
- (2) receiving a first audible input from a user;
- (3) comparing the first audible input to the first data file to determine a selected state;
- (4) loading a second data file comprising a plurality of cities, wherein each city is geographically located at least partially in the selected state;

56. The system of claim 55, wherein the system further performs the steps:

- (5) receiving a second audible input from the user;
- (6) comparing the second audible input to the second data file to determine a selected city;
- (7) loading a third data file comprising a plurality of streets, wherein each street is geographically located at least partially in the selected city;

57. The system of claim 56, wherein the system further performs the steps:

- (8) receiving a third audible input from the user;
- (9) comparing the third audible input to the third data file to determine a selected street;
- (10) loading a fourth data file comprising a range of addresses;

58. The system of claim 57, wherein the system further performs the steps:

- (11) receiving a fourth audible input from the user;

- (12) comparing the fourth audible input to the third and fourth data files to determine one of a selected cross-street and a selected address;
- (13) determining whether the selection from step (12) is a valid selection;
- (14) generating location coordinates from the selected state, city, street, and cross-street or address.

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